

TEMPERATURE CONTROL SYSTEM FOR AIR/OIL SHOCK ABSORBER MODULE

ABSTRACT OF THE DISCLOSURE

A module consisting of a shock absorber and an air spring is provided with a control for avoiding an undesirably high temperature within the air spring. In particular, a temperature responsive valve is mounted on the air spring, and is operative when the temperature of the air spring reaches a predetermined level. At that point, the temperature responsive valve opens, allowing flow of air outwardly of the air spring. A source of cooler air is also associated with the air spring. In particular, a leveling valve opens to deliver air into the air spring, when the air volume within the air spring decreases due to opening of the temperature responsive valve. Thus, a cooler air is delivered into the air spring. The control thus automatically maintains an acceptable temperature in the air spring, even when the shock absorber reaches very high temperatures.